

Fig. 1

C/2 to DV (-3mV) C/2 to 0.9 V

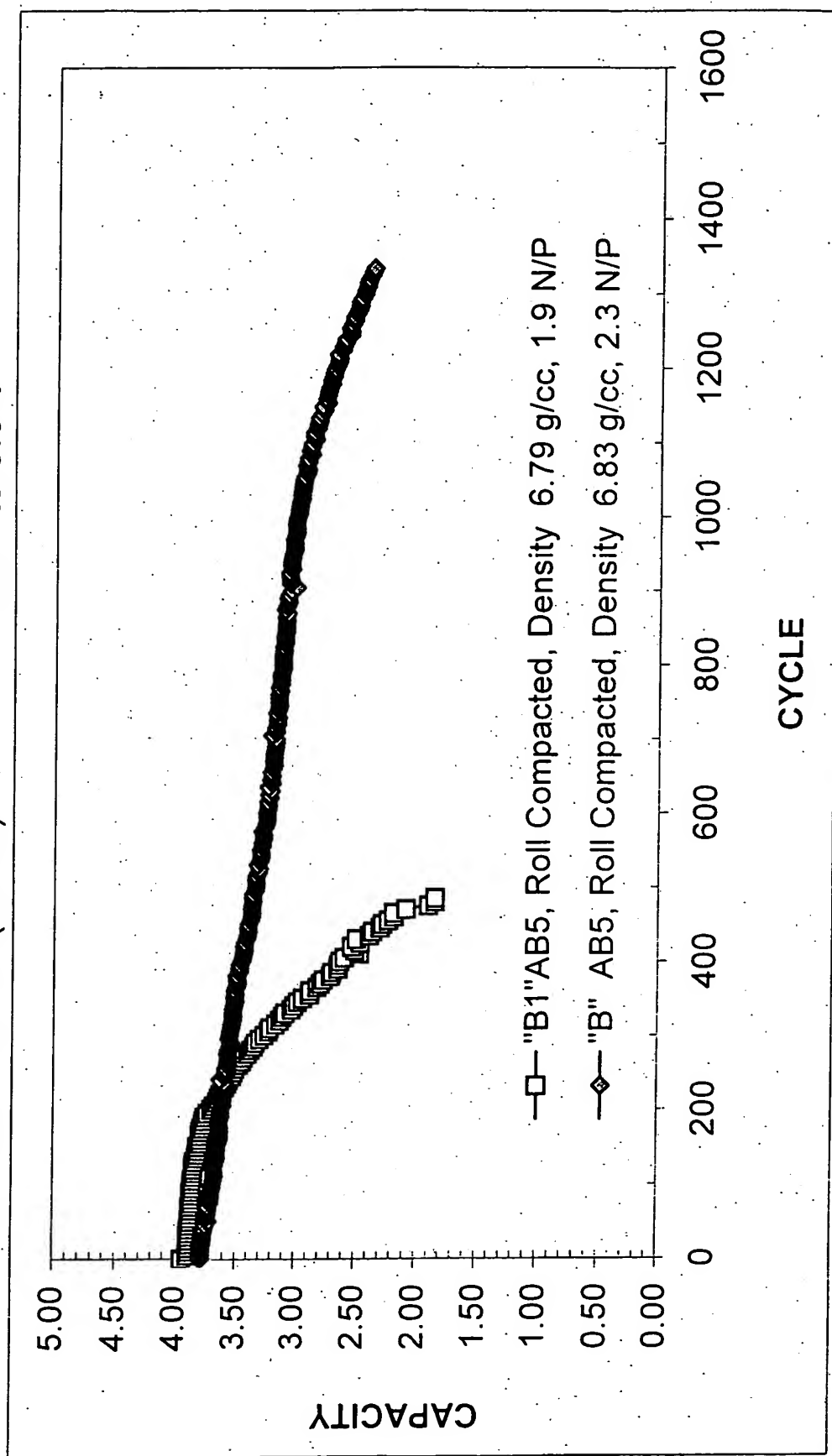


Fig. 2A

Ovonic Ni-MH C Cell

“B” AB5 Pasted Negative Electrode

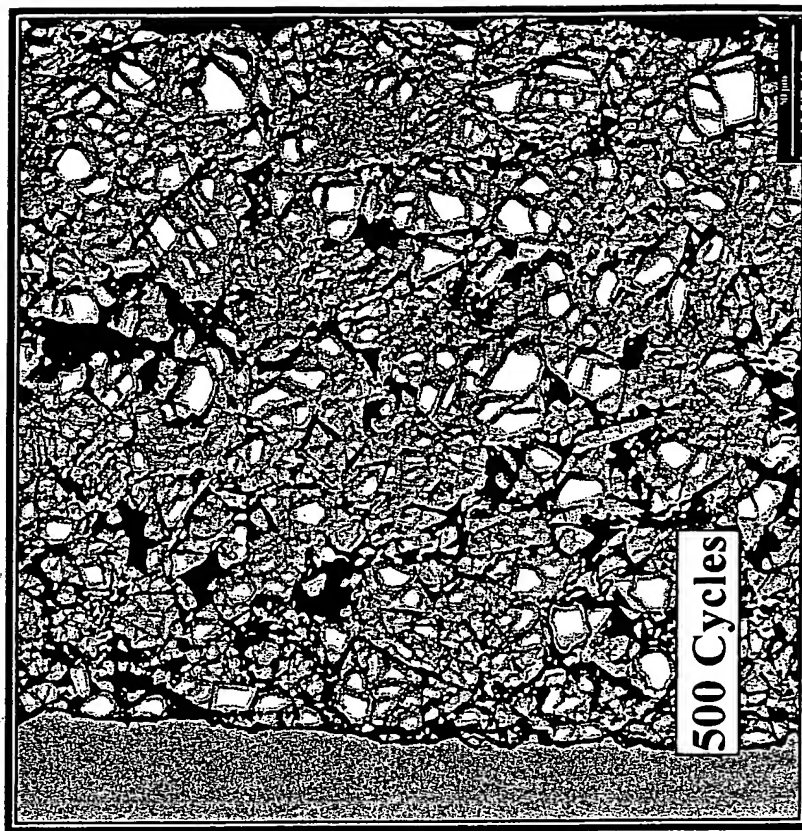
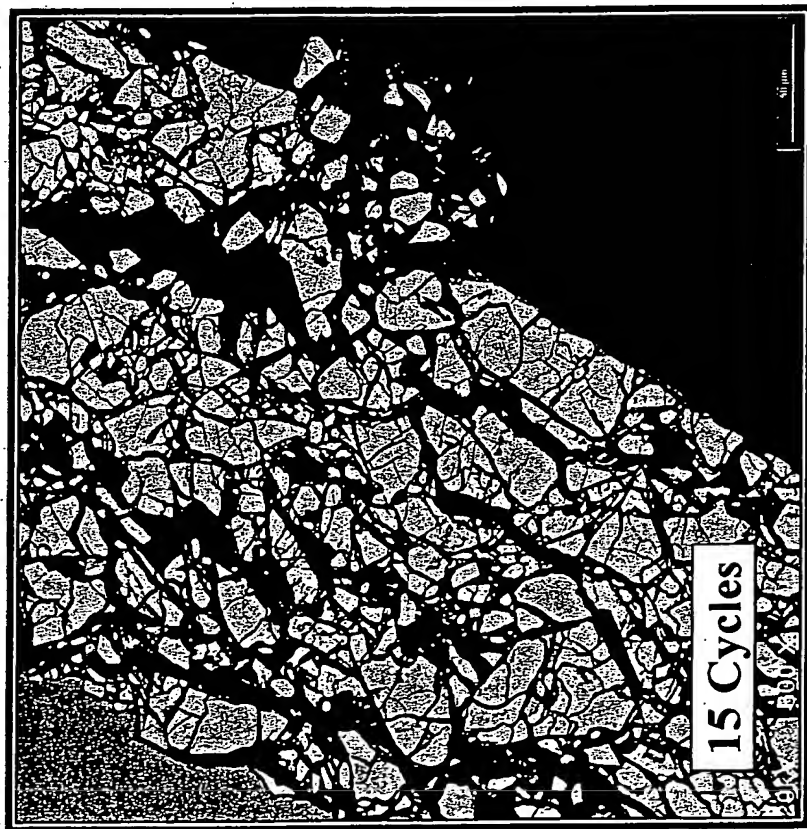


Fig. 2B

Ovonic Ni-MH C Cell

"B1" AB5 Pasted Negative Electrode

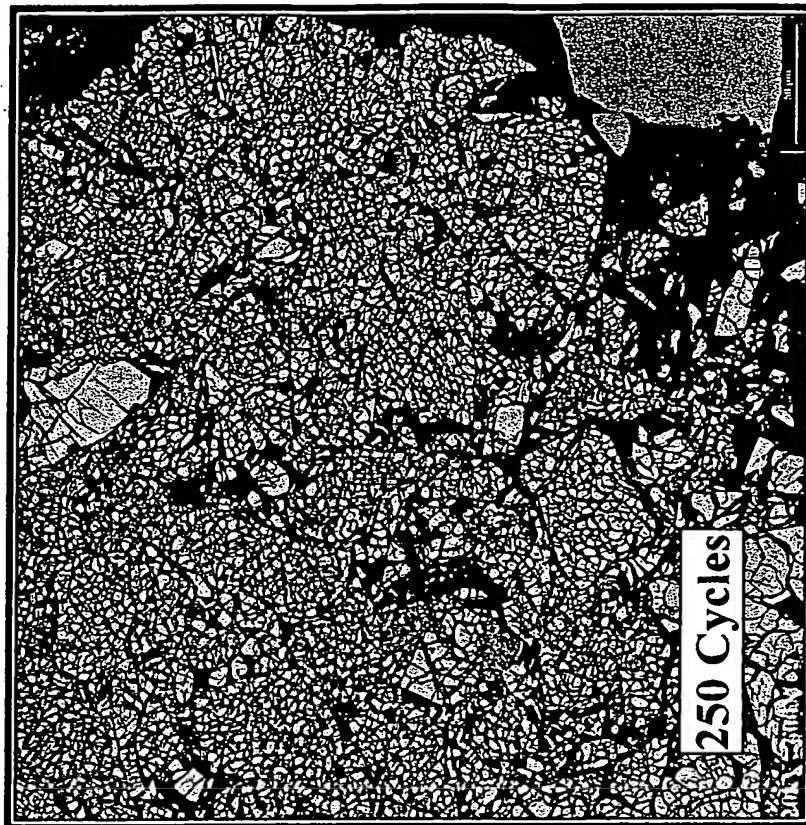
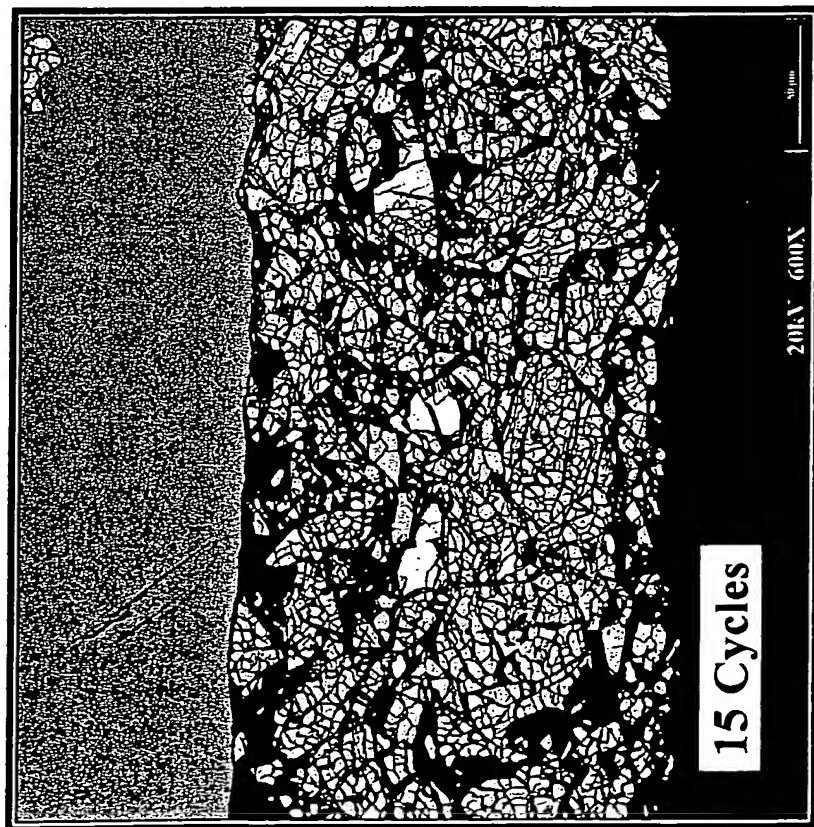


Fig. 3

PCT Measurement Result AB5 Material at 30°C

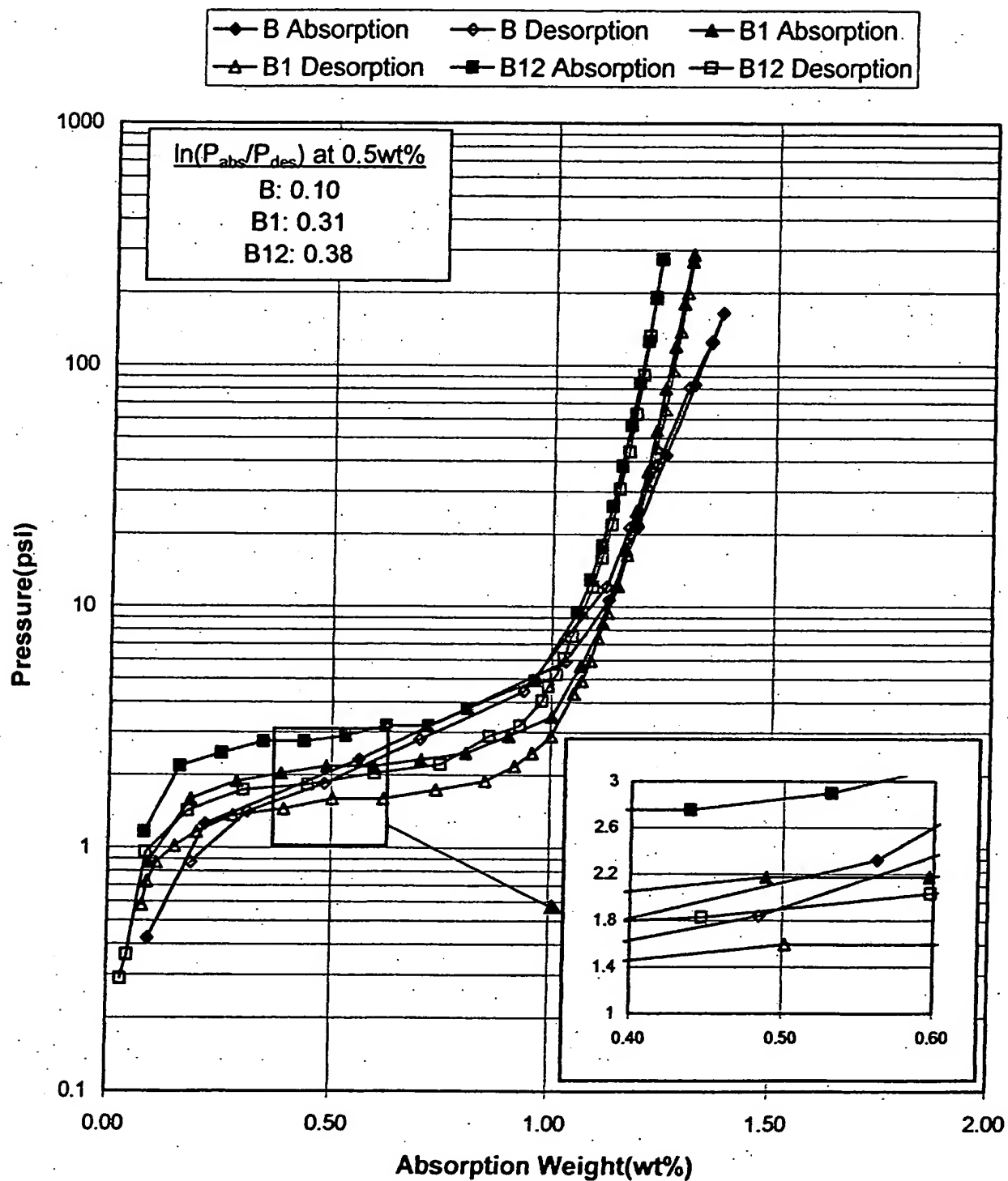
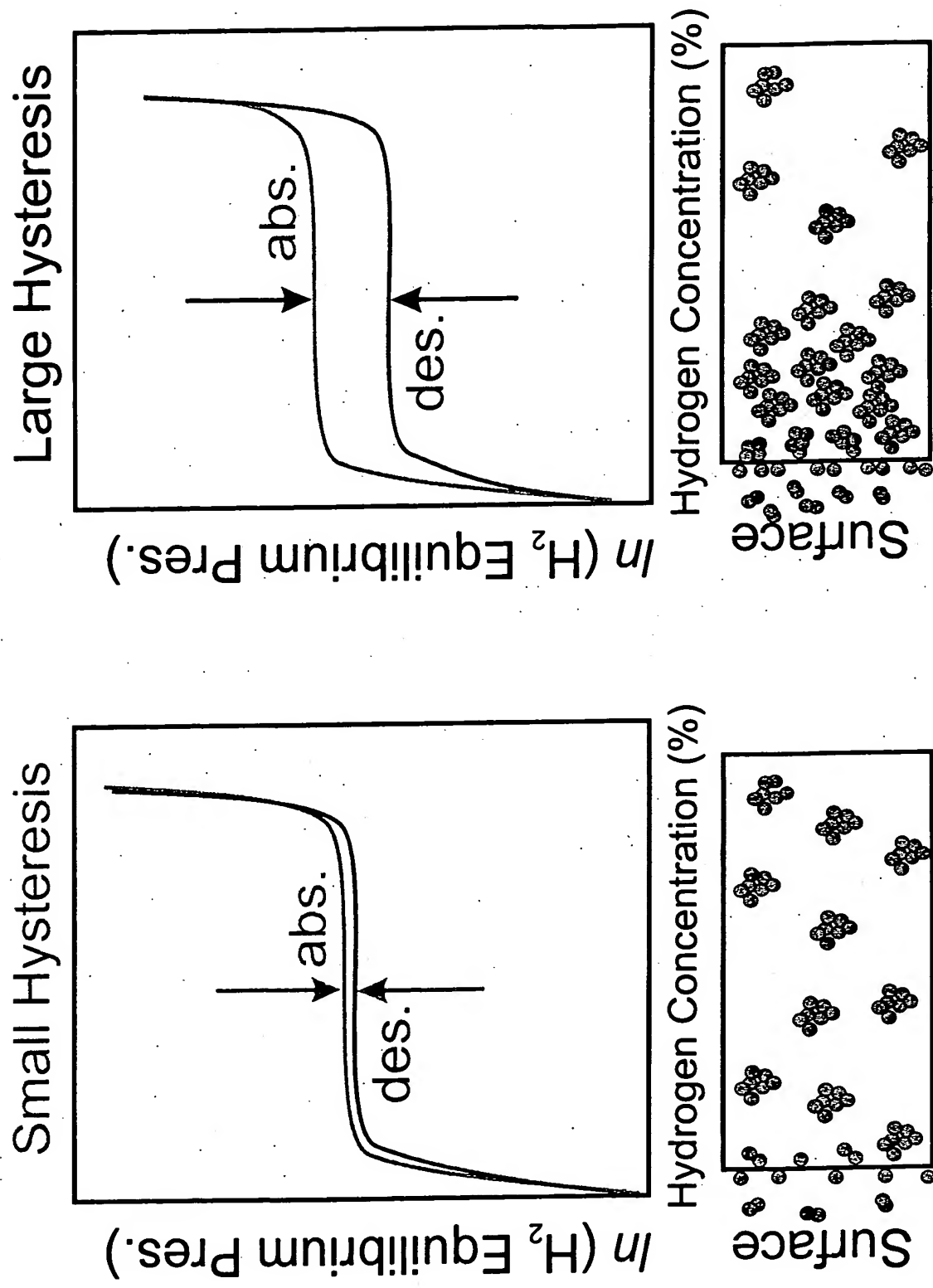


Fig. 4



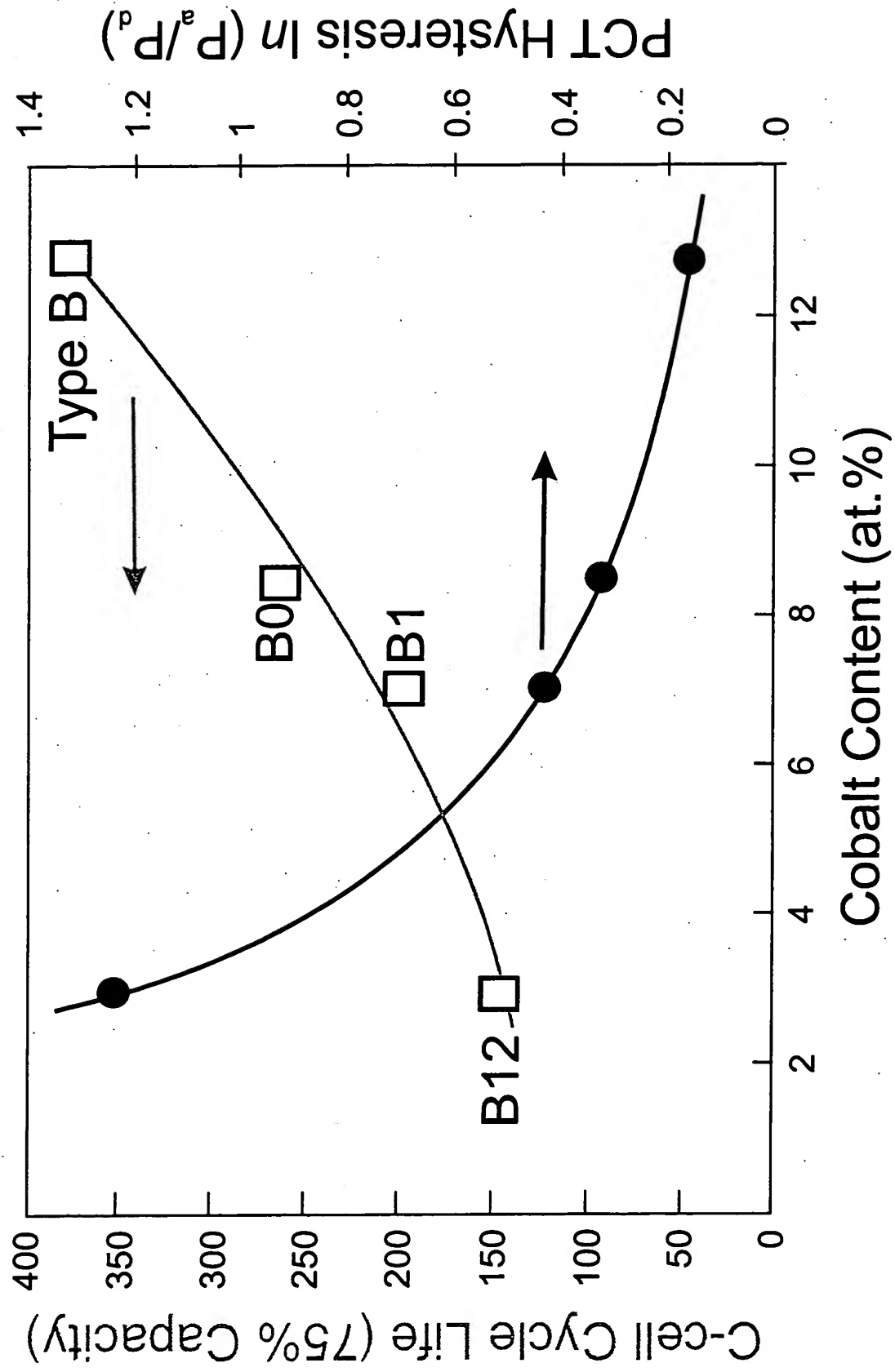
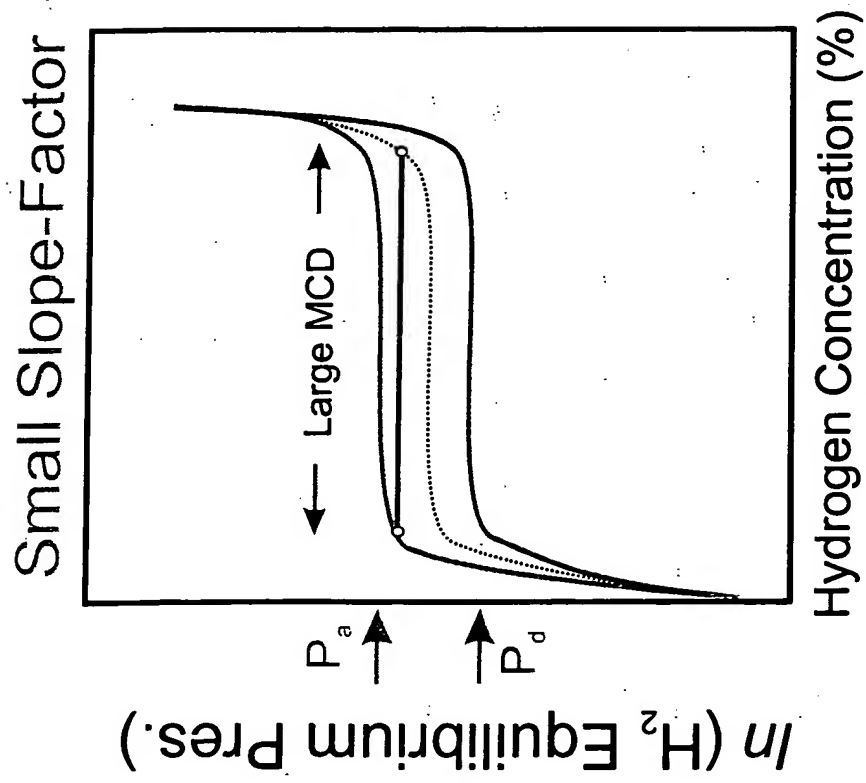
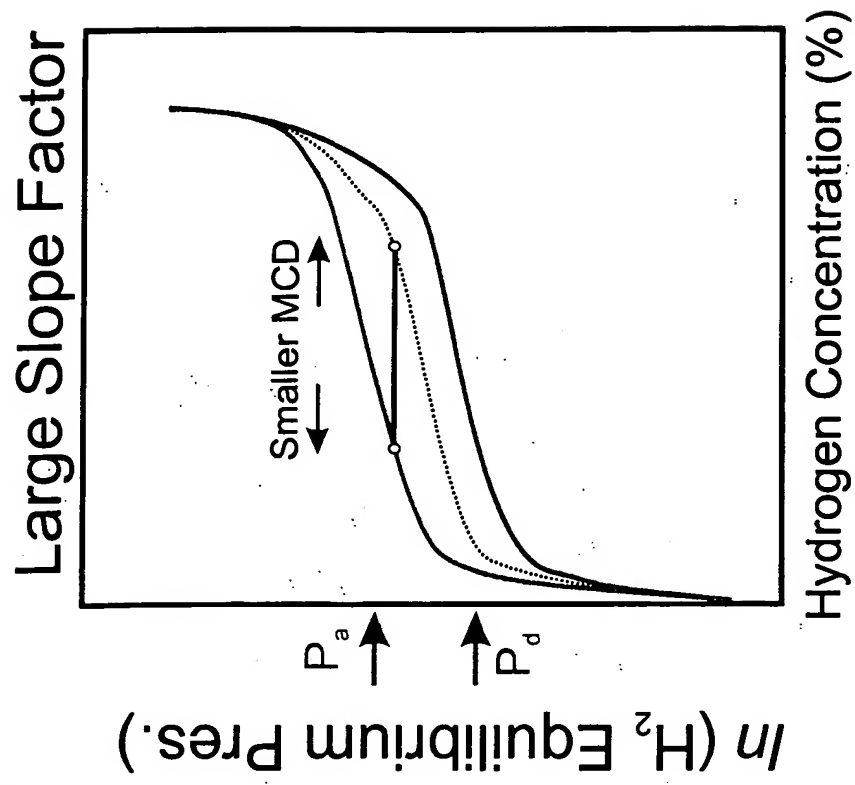


Fig. 5



(a)



(b)

Fig. 6

Fig. 7

PCT Measurement Result at 30°C AB5 Material with Low Zr

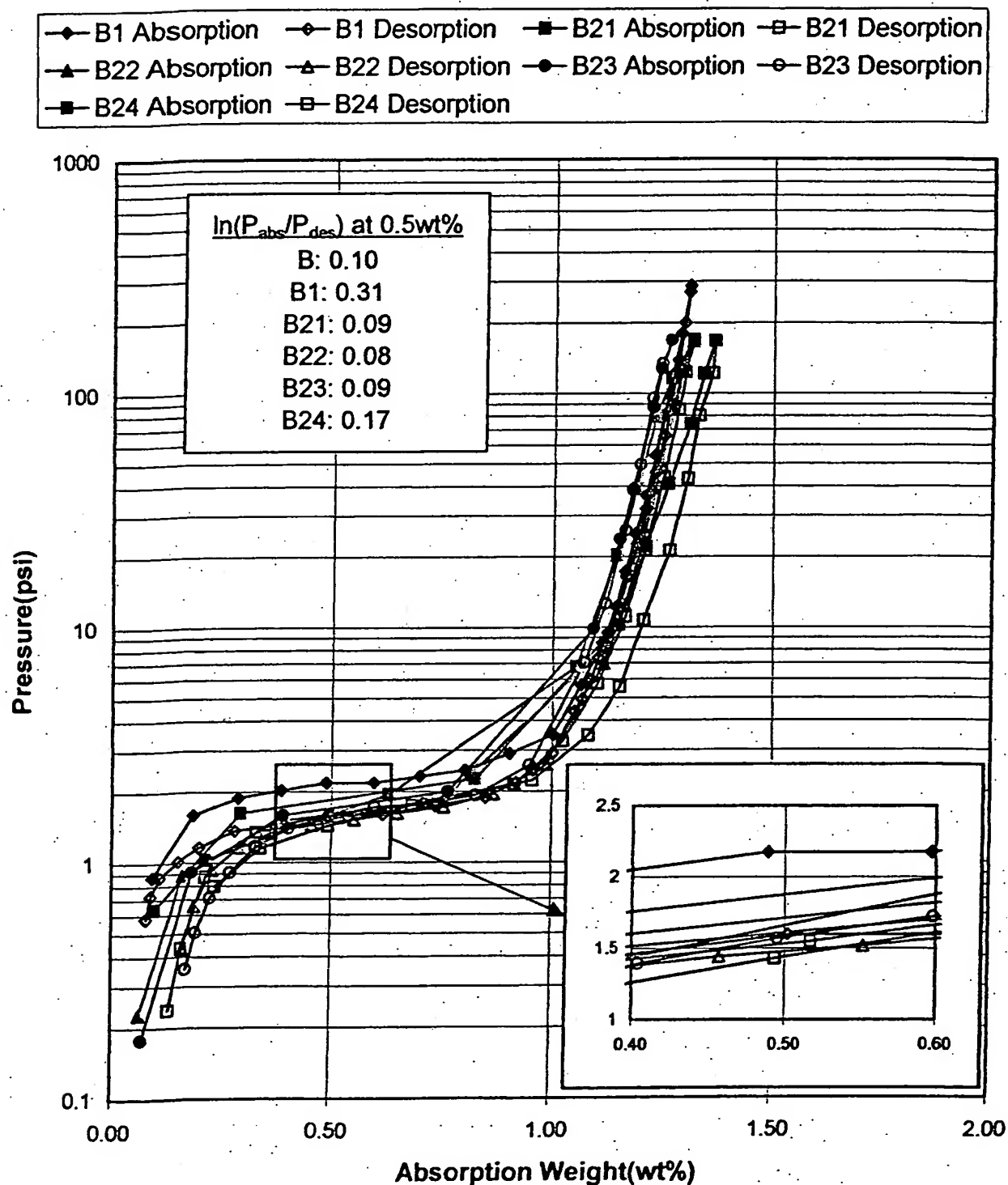


Fig. 8

PCT Measurement Result at 30°C AB5 Material with High Zr

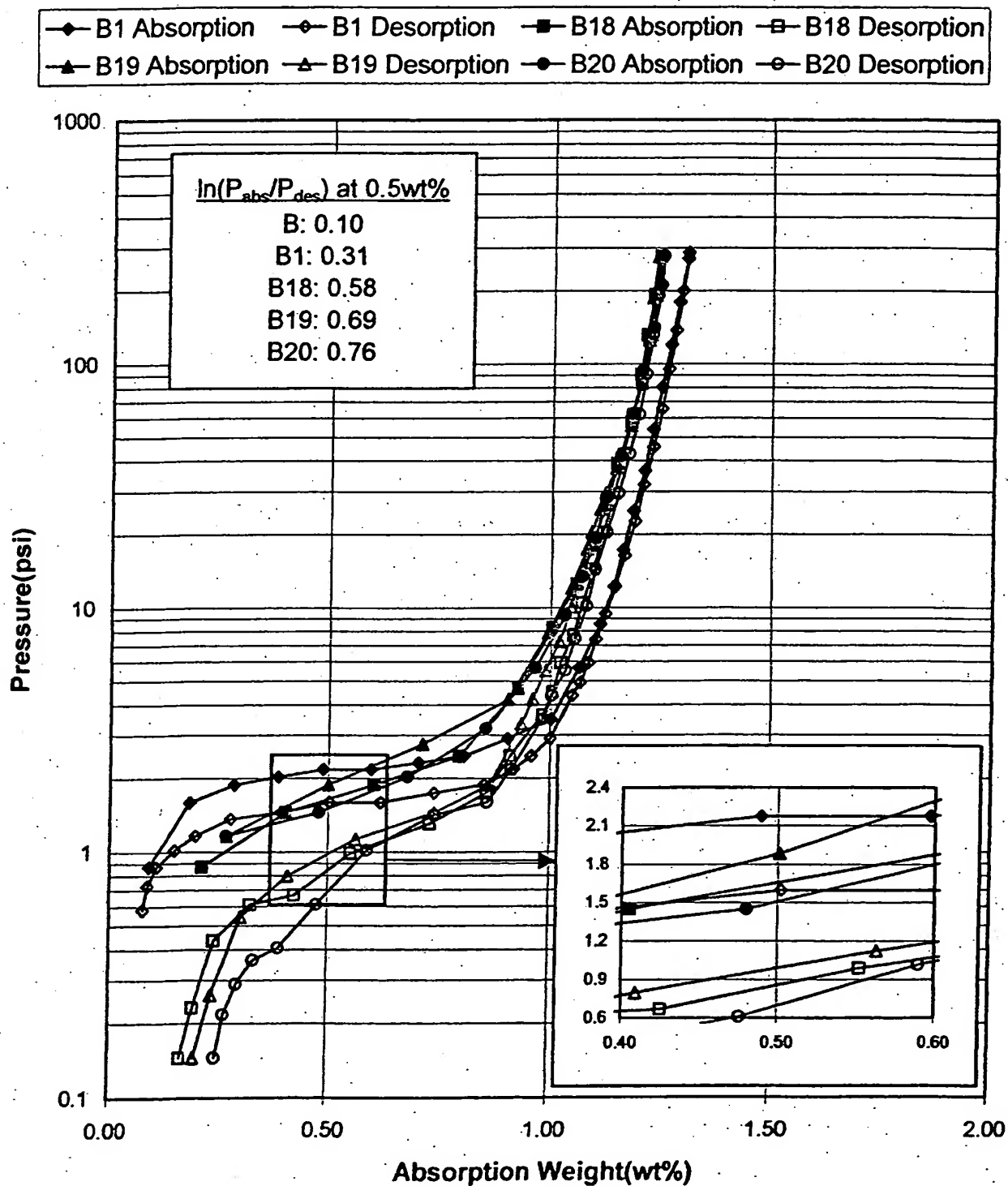


Fig. 9

PCT Measurement Result at 30°C AB5 Material with 0.5% Si

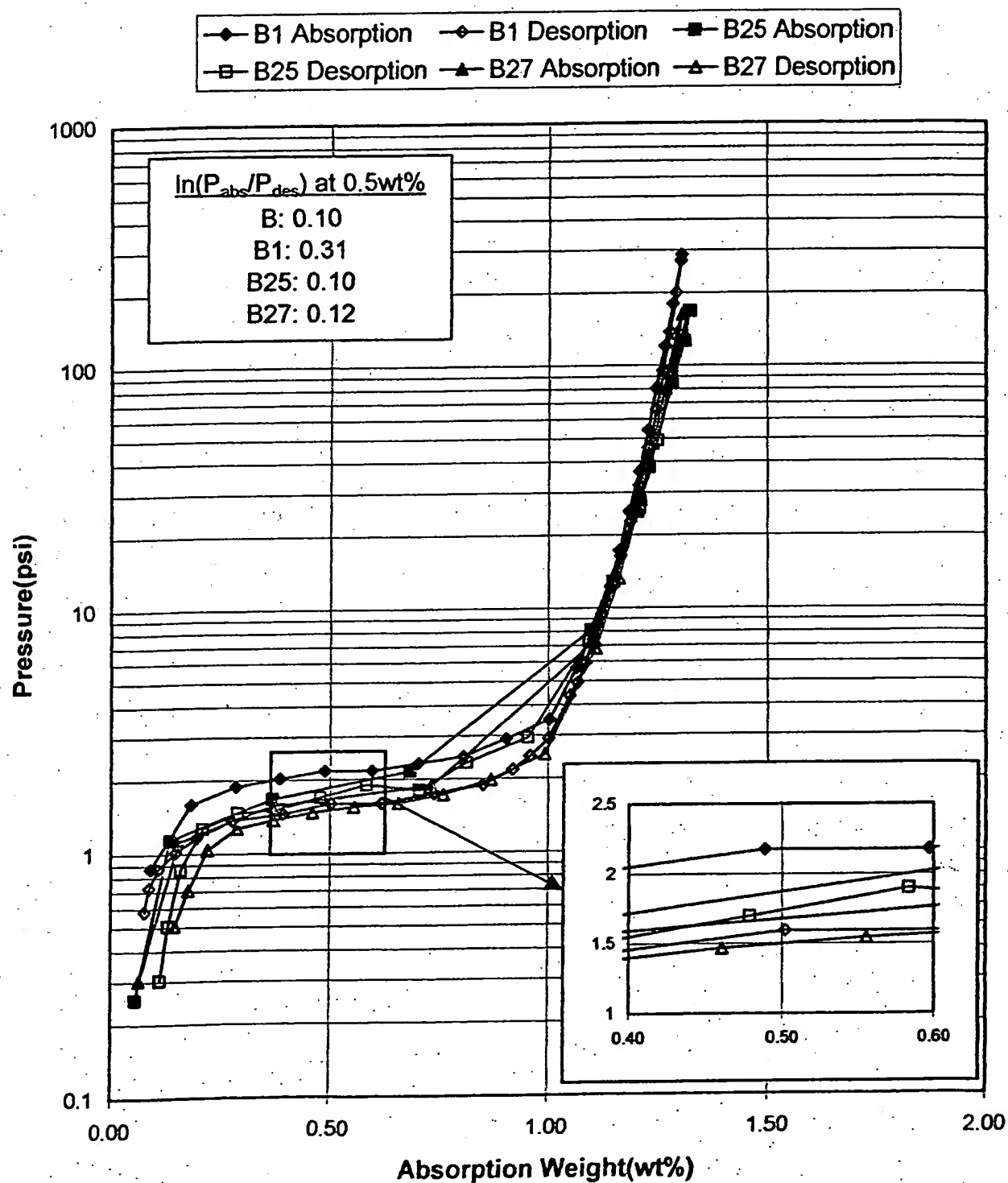


Fig. 10

PCT Measurement Result at 30°C
AB5 Material with 1.0% Si

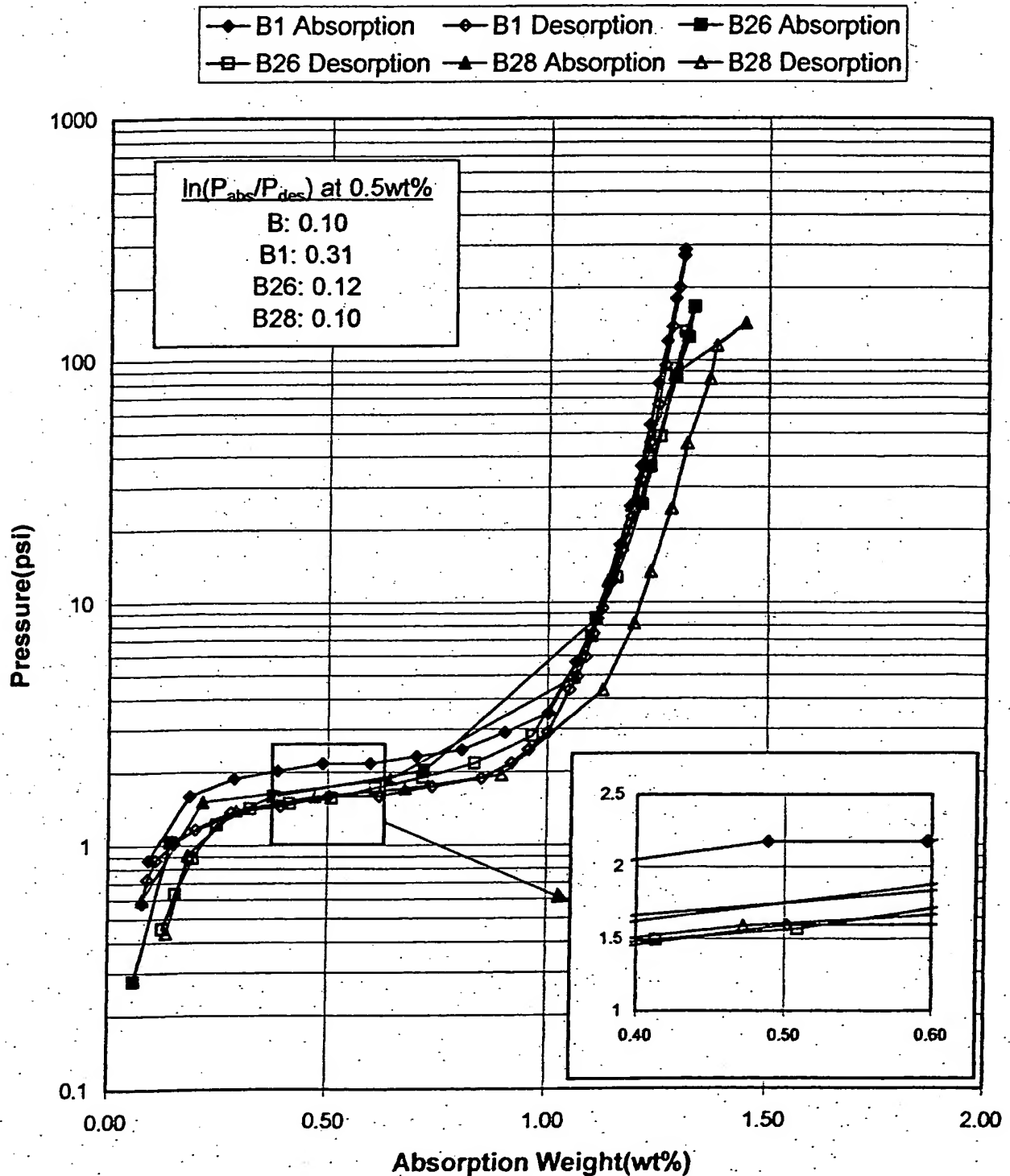


Fig. 11

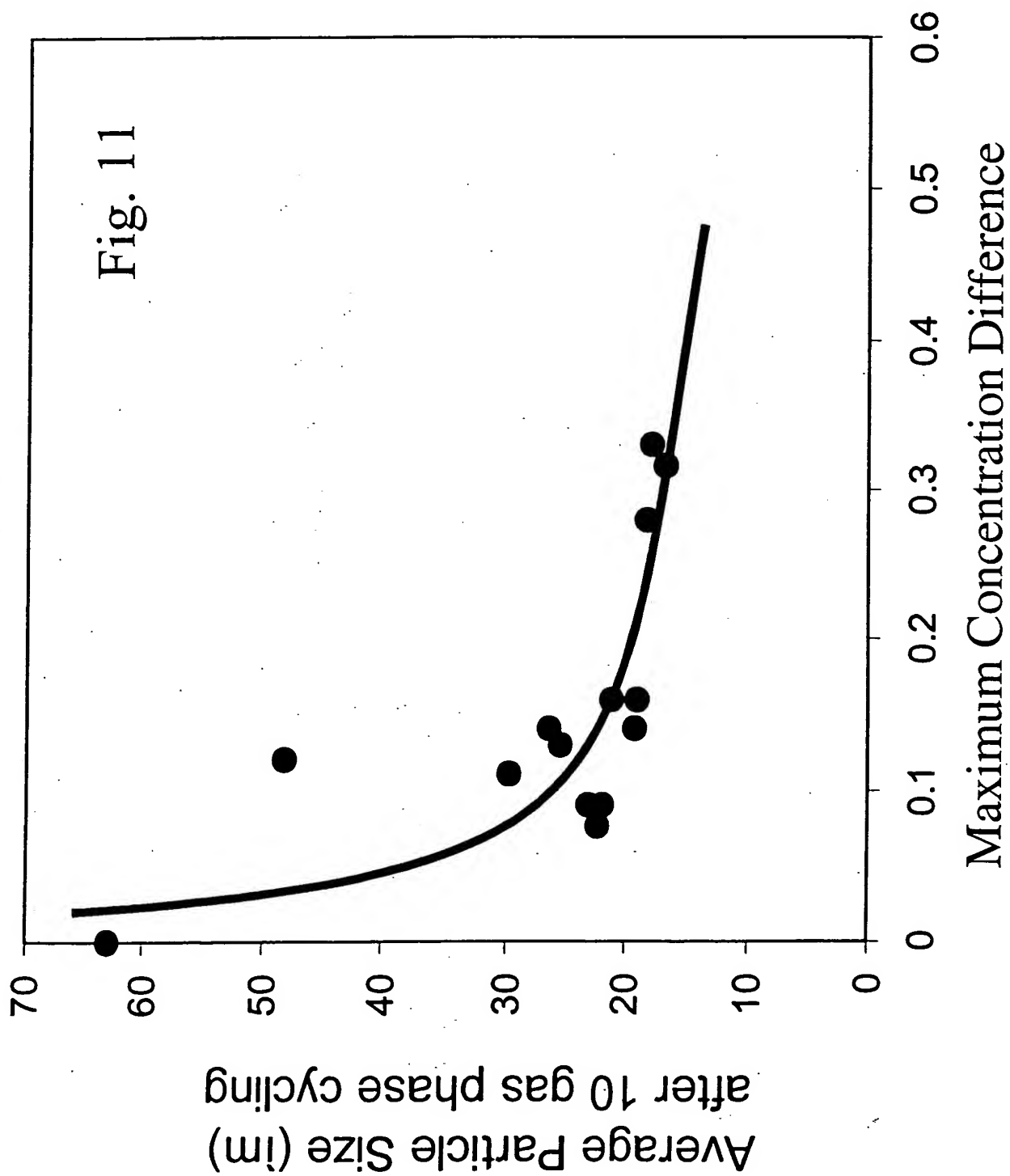


Fig. 12

C/2 to ΔV (-3mV) C/2 to 0.9V

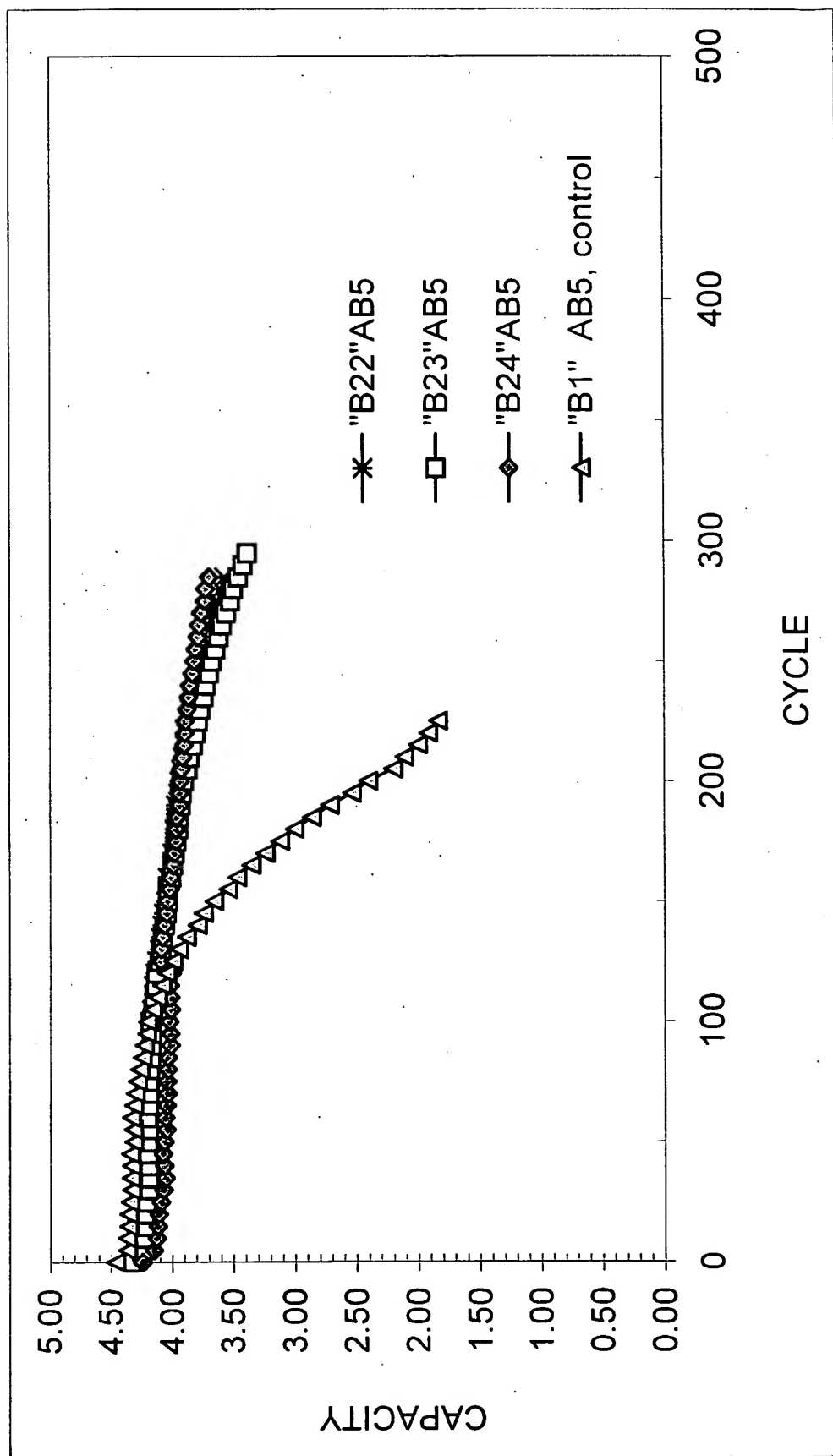
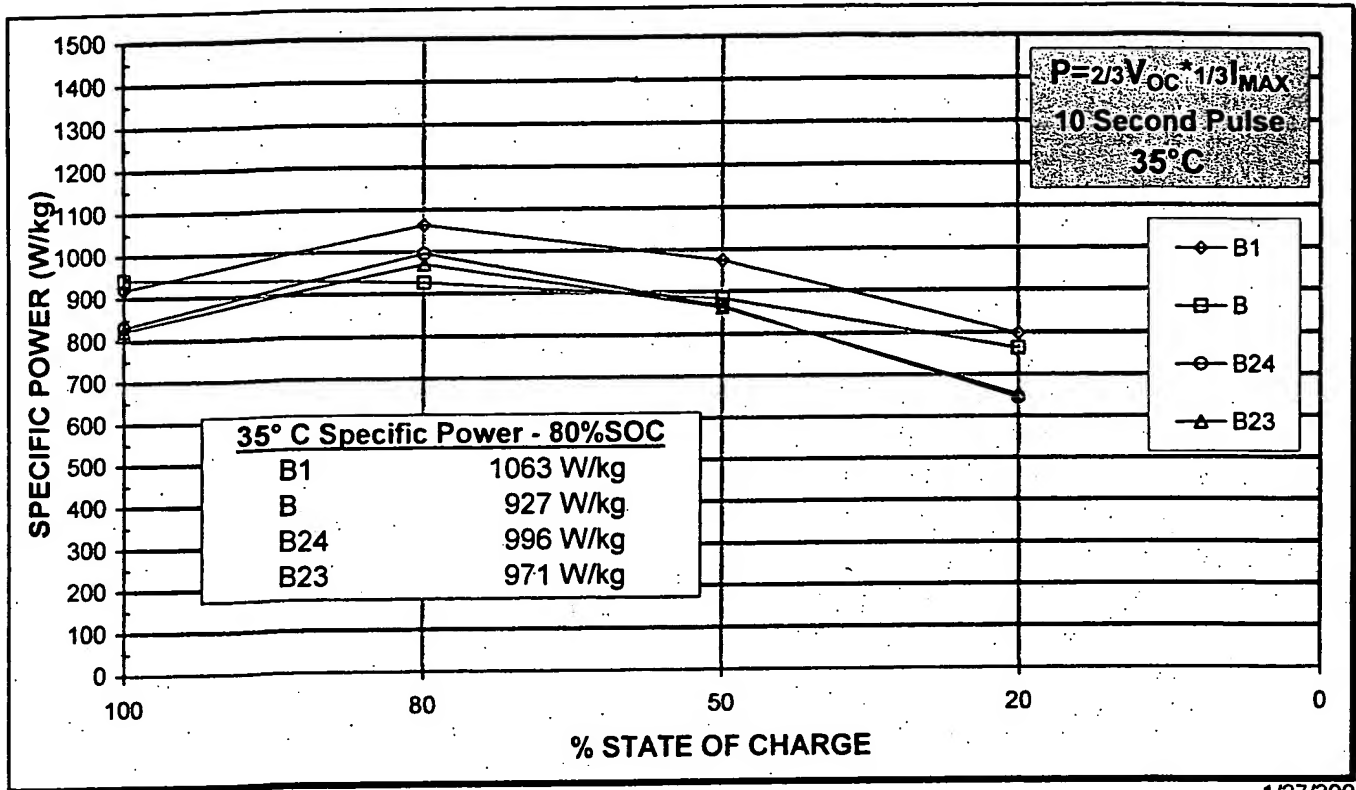


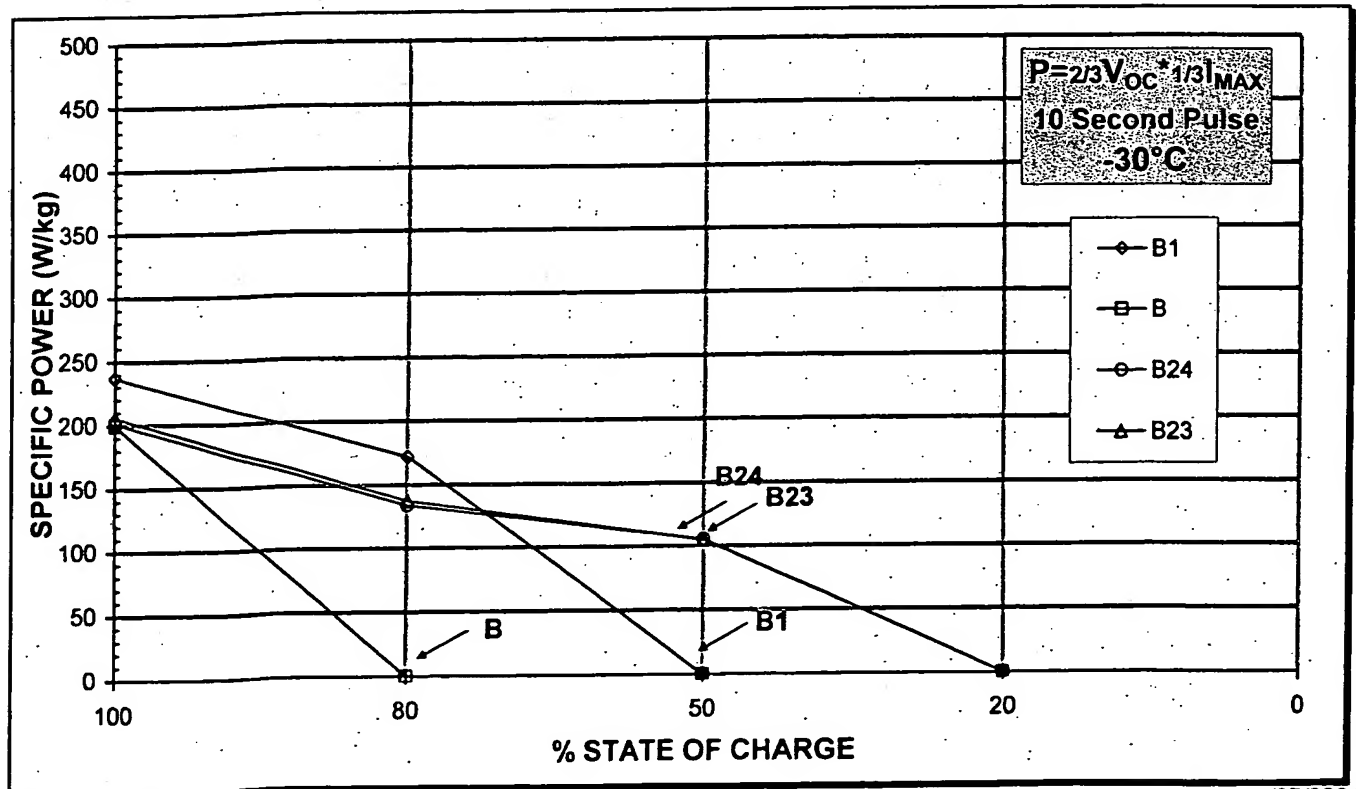
Fig. 13

HEV Power Test (C, 10C Pulse method)



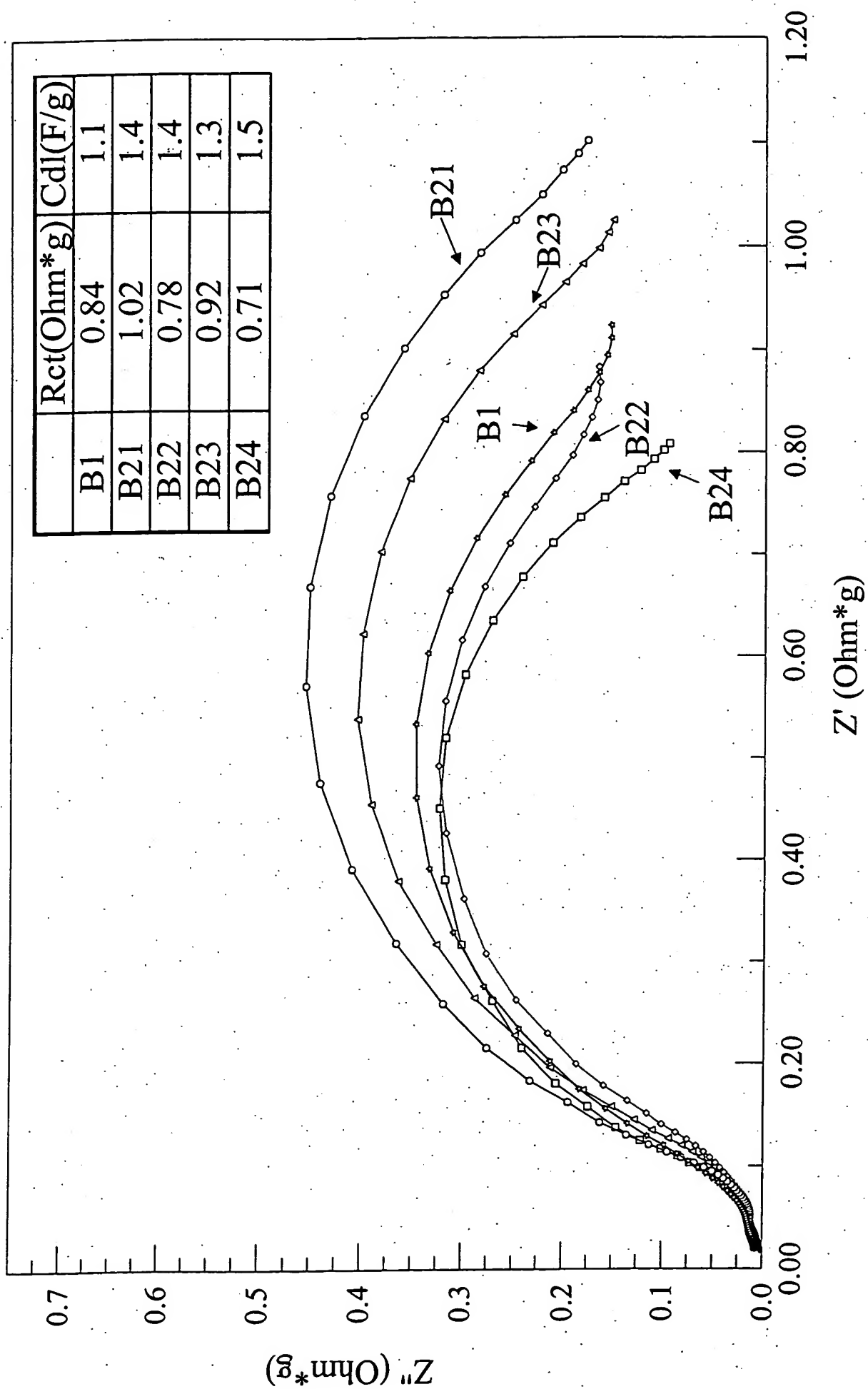
1/27/2004

HEV Power Test (C, 10C Pulse method)



1/27/2004

Fig. 14



Metallic Nickel Measurement after Activation

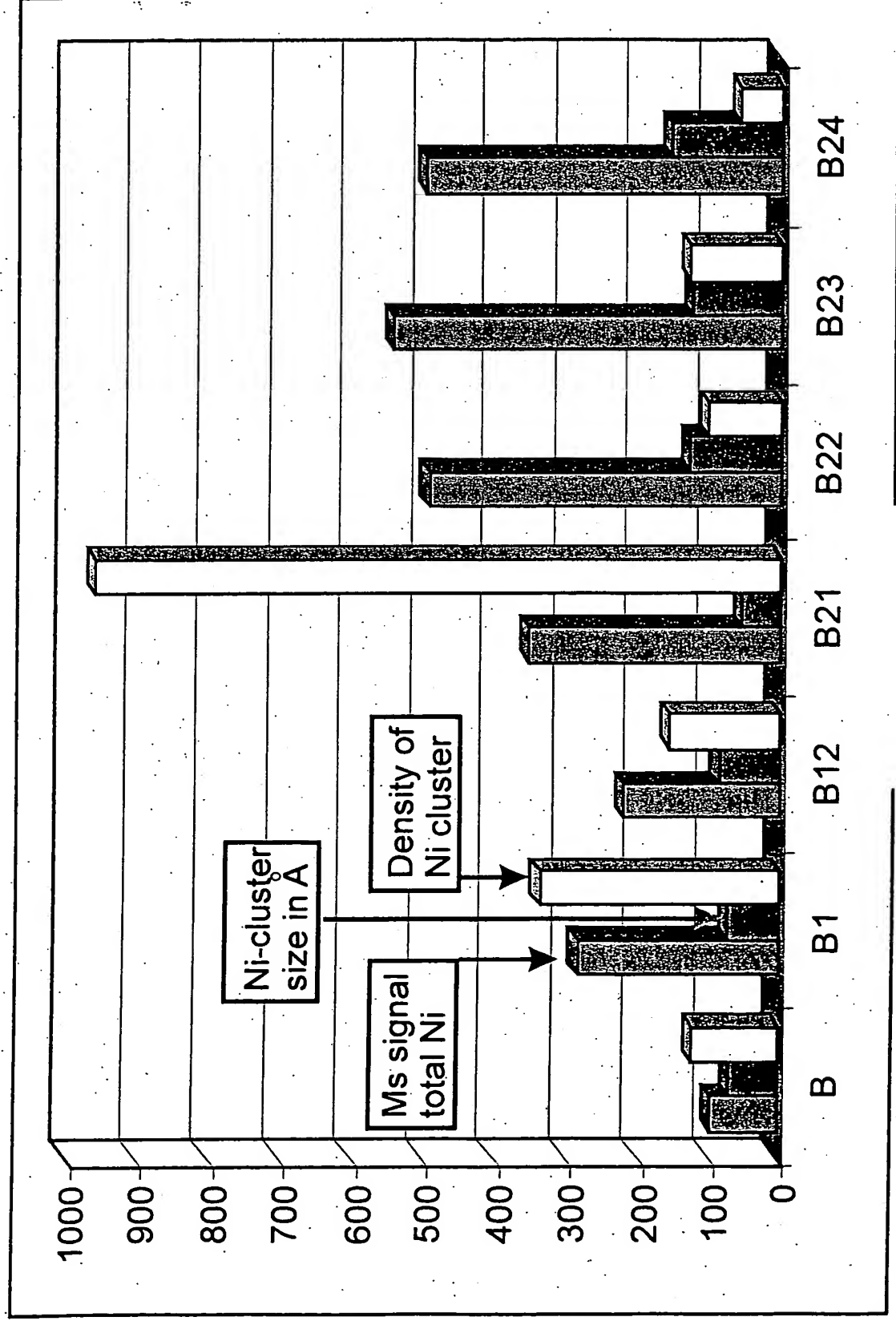


Fig. 15

Over Potential Vs. Current At 80% SOC For B1, B21,B22,B23, & B24 Roll Compacted Electrodes at -30C Using A 10sec. Pulse - Showing Experimental And Butler-Volmer Fitted With Pore Resistance

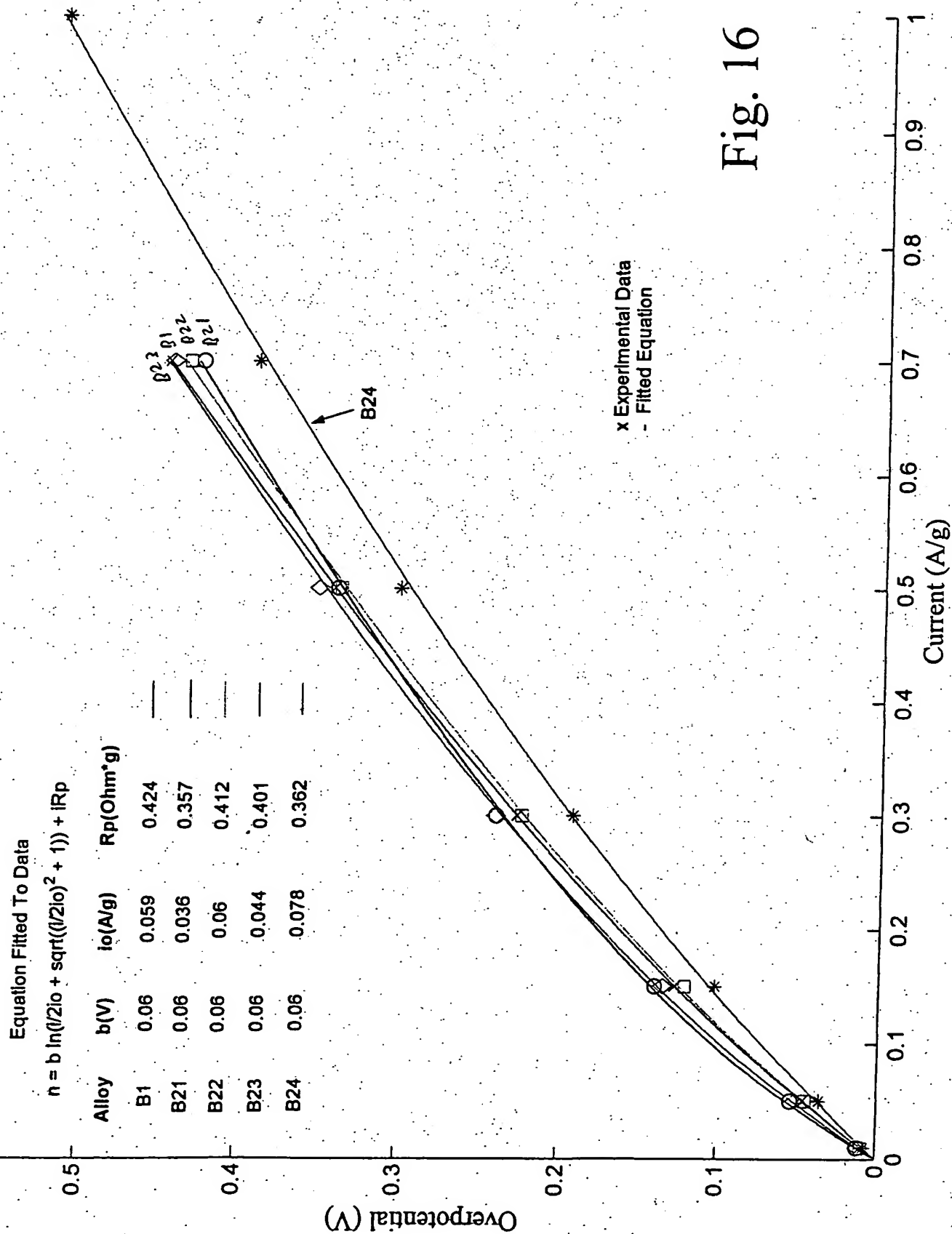


Fig. 16